Use Attainability Analysis

for

WBID 0327 Third Fork Platte River

Submitted by Tetra Tech, Inc

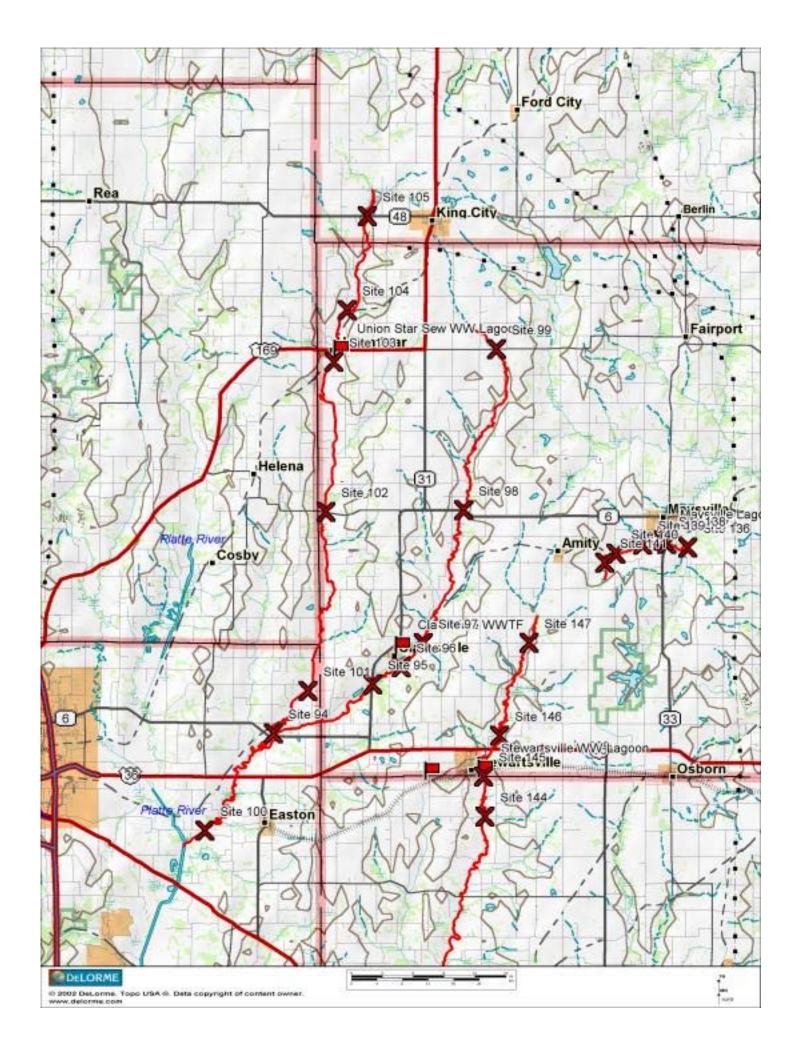
To Missouri Department of Natural Resources Water Protection Program

APR 6 6 2005

Data Sheet A - Water Body Identification

WATER PROTECTION PROGRAM

Water Body Name: (from USGS 7.5' quad) THEND FONK PLATTE HIVER (100-105)
8-digit HUC: 10 740012
Missouri WBID #: 0327
County: CLINTON
Upstream Legal Description:
Downstream Legal Description:
Upstream Coordinates:
(UGS 84, ddd.ddddd) 40.05375 -094.56980
Downstream Coordinates:
(UGS 84, ddd.ddddd) 39.71814 -094.68419
Discharger Facility Name(s): UNION STAR SEW WN LAGOON
Discharger Permit Number(s): m0-0096202
Number of Sites Evaluated: 6
Name of Surveyor and Telephone Number: ADAM RETTIC, 410-356-8993
Organization: TETAA TECH INC.
Position:
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.
Signed: Date: 3/29/05



Data Sheet B - Site Characterization
(A separate data sheet must be completed for each site)

				•	•		
mA((Missouri WBID #: \ \ \(\))		Site Location		-	
(Acc.)	Site GPS Coordinates: 3	1,71814/-00	14.68419	@ Dar	DLE I	BRIDGE ON SEK	EMMER RD.
130.	Date & Time: 3 -1 (p- o	5/4130pm		Facility Na	me:	CRAMM WIP UNS	ON STAR TO WIN LAR-OCK
	Personnel: AR;	046		Permit Nun	nber:		
·	Current Weather Condition	ons: Sway; 50)'S	Weather Co	onditio	ns for Past 7 days:	
	Photo Ids: Upstream: 9	9 06 1633 C DOW	nstream: 98 ú	2/632 (Other:	97 9 163K FLEE PE	1
Us	es Observed*:						
		☐ Skin diving	□ sct	JBA diving		☐ Tubing	☐ Water skiing
	☐ Wind surfing	Kayaking A	P. □ Bos	ting		□ Wading	☐ Rafting
	Hunting AR	-FATrapping AF				☐ None of the above	Other Loctering
	l /				hoto-de	ocumentation of evidence	of recreational uses, etc.)
	- Fishing line - for PEATS A	hanging fr	rom br	idsc.			·
	- few PENTS A	n File pri	FOU BA	K			
	-						
		·					
	rrounding Condition	s*: (Mark all that p	romote or imp	pede recreatio	onal use	es. Attach photos of evider	nce or unusual
	☐ City/county parks	☐ Playgrounds	☐ MDC cor	nservation lan	nds	☐ Urban areas	☐ Campgrounds
	☐ Boating accesses	☐ State parks	☐ National	forests		☐ Nature trails	☐ Stairs/walkway
	☐ No trespass sign	☐ Fence	Steep slop	pes		☐ Other:	
Ev	ridence of Human Use	6 * :	/		<u></u>		
	☐ Roads	☐ Foot paths/prir	nts 🗆 D	ock/platform		☐ Livestock Watering	☐ RV / ATV Tracks
	☐ Rope swings	☐ Camping Sites	X F	re pit/ring		☐ NPDES Discharge	☐ Fishing Tackle
	other: Litting						
	te Locations Map(s): ner items that may be o				sessm	ent sites clearly labele	ed. Mark any
*So ma	ome of this information is r y point to conditions that n	not intended to direct eed further analysis	or that effect	another use.	-	e particular recreational us $3 - (0 - 05)$	e analysis but

Page Two - Data Sheet B for WBID # 100:

tream Mor Upstream	phology: View Phy	sical Din	nensions	S :				,	
☐ Riffle	Width (ft):		Length		F	vg. Depth	(ft):	Max. Depth ((ft):
□ Run	Width (ft):		Length	(ft):	F	vg. Depth	(ft):	Max. Depth ((ft):
Pool	Width (ft):	12m	Length	(ft): <i>)</i>	tom A	vg. Depth	(ft): 1.5n	المرابع. Max. Depth ((ft): > Shat
Flow	Present?	Yes	□ No			stimated (f		. Olmis est.	
Downstre	am View P	hvsical l	dimensi	ons:					
Riffle	Width (ft):	11 y Steat 1	Length			vg. Depth	(ft):	Max. Depth (ft):
□ Run	Width (ft):		Length			vg. Depth		Max. Depth (
Pool	Width (ft):	22m	Length			vg. Depth			ft): >2.5mest
Z Flow	Present?	Yes	□ No	. [stimated (f	2 W	olm(s est.	79,370
Substrate*: () % Aquatic Veg	Cobble	%	Gravel	30		at the asse	% Silt	(@ 0 % Mud/Clay	% Bedrock
	NA								
Water Char					☐ Cher	-i1	W None	CI Other	
Color:		Sewage	Mt C-		$\overline{}$	nicai	None	☐ Other:	
Bottom De		Clear Sludge	⊠ Gro		D Eine	sediments	☐ Milky ☐ None	Other:	
Surface De			☐ Sci		☐ Foan		None	☐ Other:	
					(including	informat	ion from i	nterviews) to this fo	
omprehensive ecision on the	understanding recreation use	g of water e analysis l	conditions out may po	s. Conse oint to co	quently, this anditions the	information in the information i	n is not inte ner analysis	nded to directly influer or that effect another us	ace a se.
latasheet is			m to the		-	•		formation reported	d on this UAA
Signed: $\underline{\hspace{1cm}}^{\hspace{1cm} \mathcal{O}}$	gran live)			· · · · · · · · · · · · · · · · · · ·	_Date:_	911	(ماره)	
Organization	: It- (Str				Positio	n:	CI. T.	
	A	A	~an	心人	Lock	1	3/1 n: 3-16	75	

MISSOURI RECREATIONAL USE STREAM SURVEY FIELD AUDIT CHECKLIST

Evaluation Date: 03-17-05		
	Audit Team Member(s	s):
Name	Organization	Phone
CHAO BARBOUR	TETAN TOLK INC.	410-356-7943
JERAMY RUSLEN	TETAN TECH EMI	
Site ID: ID1	Stream Name:	
Field Team Members		
1 Augm Rettic	3	5
2 ANN MANTE GOETZE	4	6
	Other Observers Present During	Evaluation:
Name	Organization	Phone

AUDIT CHECKLIST

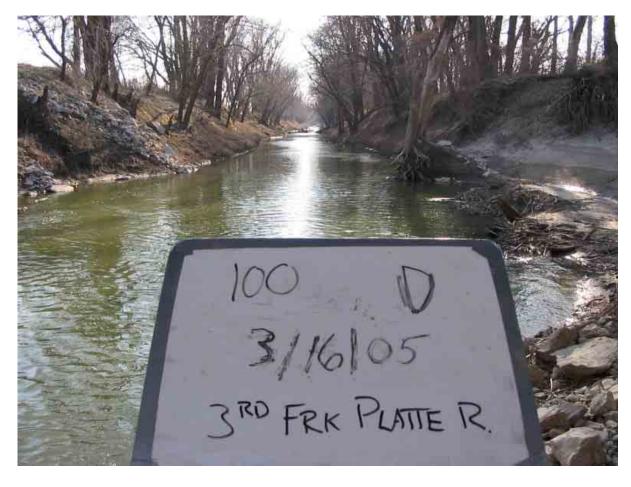
GPS used to obtain fix at or near site?	(v)	N	N/A
GPS data recorded on field form?	(¥)	N	N/A
Photographs of site taken (if appropriate)?	(P)	N	N/A
Placard with site ID printed on it is the first photograph?	(Y)	N	N/A
Picture file number recorded on Field Form?	(x)	N	N/A
Mean channel width at X-site determined based on measurement?	(8)	N	N/A
Area around site inspected for evidence of primary contact recreational and other human uses?	(8)	N	N/A
Pictures of evidence of uses taken?	$(\hat{\mathbf{Y}})$	N	N/A
Picture file number recorded on field forms?	$\langle \hat{\mathbf{Y}} \rangle$	N	N/A
Measured upstream channel width at representative transect?	Ŷ	N	N/A
Measured downstream channel width at representative transect?	©	N.	N/A
Measured average depth in upstream portion of the site?	(Ŷ)	N	N/A
Measured maximum depth in downstream portion of the site?	8	N	N/A
Was a reasonable effort made to locate deepest point at each site?	©	N	N/A
Velocity measured in the upstream portion of the site using a neutrally buoyant object along measured length timed and recorded correctly for at least three trials?	Ŷ)	N	N/A
Velocity measured in the downstream portion of the site using a neutrally buoyant object along measured length timed and recorded correctly for at least three trials?	®	N	N/A
Does auditors assessment of substrate types and proportions at the site agree with that of the field team?	©	N	N/A
Were interviews conducted with available residents?	Y	N	N/A)
Are the field sheets filled out completely and signed at the end of the site assessment?	Ŷ	N	N/A
Did the field team QC officer inspect the field forms for completion prior to leaving the site?	®	N	N/A
Overall, were the field sampling protocols followed correctly?	8	N	N/A

SIGNATURES	
Delah	03-17-65
Evaluator	Date
•	

Team Representative

Date







Data Sheet B - Site Characterization rate data sheet must be completed for ea

		(A separate o	iata sr	neet m	ust be con	nplete	d for each site)	<i>x</i>
1	Missouri WBID #:	ΛI			Site Loca	ion De	scription:	
high)	Site GPS Coordinates:	59.81254 /-0	74, b	0736	@ 100	HUK	where P (las	TES
χο,	Date & Time: 3-17-0	5/8 Wam			Facility N		UNION STAR SEW	LA COUN
	Personnel: AVK, A	M (=		·	Permit Nu	ımb er :	<u> </u>	
	Current Weather Condition	ons: Schary L	isody.	403	Weather (Conditio	ons for Past 7 days:	
	Photo Ids: Upstream: ##	Twe 106 on 1640 Dow	/nstrear	n: /U7 w	(1641	Other:		
Us	es Observed*:	16400		***************************************	HOHIC			
		☐ Skin diving		□ sct	BA diving		☐ Tubing	☐ Water skiing
	☐ Wind surfing	☐ Kayaking		□ Boa	ting		☐ Wading	☐ Rafting
	☐ Hunting	Ex Trapping			ing AR		☐ None of the above	☐ Other:
	Describe: (include numbe	er of individuals rec	reating.	, freque	ncy of use,	photo-d	locumentation of evidence	of recreational uses, etc.)
	* DKAN	DOG UNDER	5 13(8	(IDC	SC.		hus ottocation	
Su iter	rrounding Condition us of interest.)	s*: (Mark all that p	promote	or imp	ede recreat	ional us	es. Attach photos of evider	ce or unusual
	☐ City/county parks	☐ Playgrounds	□м	DC con	servation la	ınds	☐ Urban areas	☐ Campgrounds
,	☐ Boating accesses	☐ State parks	□ Na	tional f	orests		☐ Nature trails	☐ Stairs/walkway
	☐ No trespass sign	☐ Fence	X Ste	ep slop	cs		A Other: DEAN LUT	uvr (
Ev	idence of Human Us	e *:	, .					
	Roads	☐ Foot paths/prir	nts		ock/platform	n	☐ Livestock Watering	☐ RV / ATV Tracks
	☐ Rope swings	☐ Camping Sites		☐ Fi	re pit/ring		☐ NPDES Discharge	☐ Fishing Tackle
	☐ Other:							
oth *So	er items that may be of this information is a point to conditions that r	of interest. (Inclu- not intended to direct	ide ph	uence a	phs) decision or	n any or	nent sites clearly labeled the particular recreational us	e analysis but
	September 29, 2004					7	1-17-700	Page 18

M

Pag	ge Two – 1	Data S	heet B	for V	VBID#_	101	:			105	3m	-
	eam Morj Jpstream		•	al Dir	nensions	s: .[5,.I,	.1.15,	. 18	les les	3m	-
	□ Riffle	Width ((ft):		Length	(ft):		Avg. Depth	(ft):	Max. Dep	oth (ft):	
	Run	Width ((ft):	n	Length	(ft):	20m	Avg. Depth	(ft): 1,14m	Max. Dep	oth (ft):	0.28m
Ĺ	□ Pool	Width ((ft):	_	Length	(ft):		Avg. Depth		Max. Dep	th (ft):	·
L	Flow	Present	7	Yes	□ No			Estimated (f	t ³ /sec): fm (0.5 m	<i>l</i> 5	
Ī) Ownstrea	am Vie	w Phy	sical	Dimensi	ons:	12,1	. 65, .	1.1.15	125/2	s 3	in 3h
	□ Riffle	Width (ft):		Length	(ft):	,	Avg. Depth	(ft):	Мах. Дер	th (ft):	
1	Run	Width (ft): 10	5m	Length	(ft):	20m	Avg. Depth	(ft): 0. 12m	Max. Dep	th (ft):	0,22m
	□ Pool	Width (ft):		Length	(ft):		Avg. Depth		Max. Dep		
	Flow	Present	?	Yes	□ No			Estimated (f	ilsec): AMU	0.26m	/s	
Sub	ostrate*:	(These v	values sh	74	dd up to 10 Gravel	00%.) <i>Q</i> y	O % San	1	% Silt	% Mud/Clay		% Bedrock
	***	4 40		**********						1		
Aqu	iatic Veg	etation Nov		amou	nt of veget	ation o	r algal grov	vth at the asse	essment site)		-	
		1 401	ν	·							-	
Wa	ter Chara	acteris	tics*: (Mark a	ll that app	ly.)					·	
	Odor:		□ Sew	age	☐ Mu	sky	□ Ch	emical	None	☐ Other:		
	Color:		X Clea	ır	□ Gre	en	□ Gra	ıy	, □ Milky	Other:		
L	Bottom Dep	posit:	□ Sluc	lge	□ Sol	ids	Fin	e sediments	□ None	☐ Other:		
	Surface De	posit:	□ Oil		□ Scu	ım	□ Foa	ım	None	Other	+ An	16
Cor	nments: I	Please a	attach a	ndditio	onal com	ments	(includir	g informat	ion from interv	riews) to thi	s form.	
com	prehensive (understa	nding of	water	conditions	. Cons	equently, the	is informatio	nation but rather is in is not intended her analysis or that	to directly infl	uence a	
I, th	ne unders asheet is t	igned, true an	hereb;	y affii irate.	rm to the	e best	of my kn	owledge, t	hat all inform	ation repor	ted on	this UAA
Sign	ned:	<u>Uu</u>	n R	ofty.				Date:	3/17/03		······································	
Org	anization:	15	- BL	<u> </u>		·		Position	n: <u>SCI, 1</u>			
		A		m	ani	M	1/2	<u>.</u> ر	3-17-25	5		





Data Sheet B - Site Characterization (A separate data sheet must be completed for each site)

Missouri WBID #: Site GPS Coordinates: Date & Time: Personnel: Current Weather Condition Photo Ids: Upstream:	400001. 4	518 B	Site Location De	•	
Date & Time: 3-11- Personnel: AVK Current Weather Condition	15/9:15am AMC ions: Juwy:4	518 IB	C DRICE	= OUV	
Personnel: AVK. Current Weather Condition	15/9:15am AMC ions: Juwy:4				
Current Weather Condition	ions: Juney 4		Facility Name:	UNDOUSTAN IN	USUDI
	ions: Juney 4		Permit Number:		
Photo Ids: Upstream: //		<i>ፈን</i>	Weather Conditi	ons for Past 7 days:	
	. · • • • • • • • • • • • • • • • • • •		ac 1644C Other	: 112 on 10-115= "TRAN	Fano
es Observed*:				1646	
	☐ Skin diving	□ sct	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boa	ating	☐ Wading	☐ Rafting
Hunting AQ	Trapping	Fish	ning AR	☐ None of the above	☐ Other:
Describe: (include number	er of individuals recre	eating, freque	ency of use, photo-	documentation of evidence	
However, to	activaties ap was frum	d. Csi	a photol.	•	
rrounding Condition	ns*: (Mark all that pr	omote or imp	pede recreational u	ses. Attach photos of evider Urban areas Nature trails	Campgrounds
rrounding Condition ms of interest.) City/county parks	ns*: (Mark all that pr	omote or imp	pede recreational unservation lands	ses. Attach photos of evider Urban areas	☐ Campgrounds
rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that pr Playgrounds State parks Fence	omote or imp	pede recreational unservation lands	ses. Attach photos of evider Urban areas Nature trails	☐ Campgrounds
rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that pr Playgrounds State parks Fence	omote or imp ☐ MDC con ☐ National i	pede recreational unservation lands	ses. Attach photos of evider Urban areas Nature trails	☐ Campgrounds
rrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that pr Playgrounds State parks Fence	omote or imp ☐ MDC con ☐ National if ☐ Steep slop	pede recreational unservation lands forests	ses. Attach photos of evider Urban areas Nature trails Other:	☐ Campgrounds ☐ Stairs/walkway

September 29, 2004

age Two -	Data Sl	neet B for '	WBID # <u> 103</u>	:	14	~ 85	
tream Mor Upstream			imensions: ,45	5.4.3.2.	1 1 1 1 1 1	- 75	
☐ Riffle	Width (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run	Width (ft): 0 m	Length (ft): 🧳	Dm Avg. Depth	(ft): O. 29m	Max. Depth (ft):	0,5m
□ Pool	Width (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	
EXFlow	Present	X Yes	□ No	Estimated (Filsec): AMC	0.12m/s	
Downstre	am Vie	w Physical	Dimensions: ,	1, . 25, . 25, .	3, . 25, . 2	In h 25	lls
☐ Riffle	Width (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
X Run	Width (ft): h~	Length (ft):)	-0 m Avg. Depth	(ft): 0,23m	Max. Depth (ft):	03m
☐ Pool	Width (ft):	Length (ft):	Avg. Depth	(ft): Amls	Max. Depth (ft):	
Flow	Present	Yes	□ No	Estimated (0.09m/s	·
<u> </u>	etation W	*: (note amo	unt of vegetation or	algal growth at the ass	essment site)		
Vater Char	acterist	ics*: (Mark	all that apply.)				
Odor:		☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:		□ Clear	☐ Green	Gray	☐ Milky	☐ Other:	
Bottom De	posit:	☐ Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	
Surface De	posit:	□ Oil	□ Scum	☐ Foam	None	☐ Other:	
This informationprehensive ecision on the	on is not understand recreationsigned, true and true	to be used sonding of water use analysis hereby aff daccurate	dely for removal of a cr conditions. Consess but may point to column to the best of the be		gnation but rather is on is not intended ther analysis or that that all information: $3/17/05$ on: 81.7	s to provide a more to directly influence a t effect another use.	ı
	J	LA	Varia Honbr	L 3-170°	5		. 0

September 29, 2004







Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Site GPS Coordinates:)] Gr 100 101 /- 104	ru ca.	71 @ RREDG	2 00 163 NEAR UN	son sinc
Date & Time: 3-1	7.6 10084/70	17.770	The Property Control	e on 163 NEAR UN UNDER STAR WA	
· · · · · · · · · · · · · · · · · · ·	105/		Facility Name:	UNIEW STAR WU	i LAGOON
	tme	····	Permit Number:	1	
Current Weather Condition				ons for Past 7 days:	
Photo Ids: Upstream: //	HOLLAYC DOW	nstream:	113 cm /647C Other	:: 114 or 1650C= DAW	PORE FOR FIGHE
s Observed*:			16512-16516	115 5049 117 = PO STEO JEGA	.
☐ Swimming	☐ Skin diving		SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		Boating	□ Wading	☐ Rafting
Hunting AR	Tranning AR	. 🛛	Fishing	☐ None of the above	☐ Other:
				documentation of evidence FENITEUR ACTEVEN WHILLY + COUN,	of recreational uses, e
BAWK PO An orner	LE FOUND ON	BAN DUNE	KJ = CUREZUR D BAJED ON L		of recreational uses, e
Bank po An orner	LE FOUND ON	BAVI	KJ = CUREZUR D BAJED ON L	FEMILLA ACTEVEN	of recreational uses, e
BANK PO An OTHER Trounding Condition as of interest.)	LE FAWD ON ACTUATIES A AS*: (Mark all that p	BAVI STORES OF MD	D BAJED ON L	FEMILLIA ACTEVAN CONTON + CONT), ses. Attach photos of evide	of recreational uses, e
BANK PO M. OTHER Trounding Condition is of interest.) □ City/county parks	ATLUITES A AS*: (Mark all that p	BAVI BAVI Dromote of MD	DAJED OUL or impede recreational u C conservation lands	FERISCIA ACTEVA WATEN + (ON), ses. Attach photos of evide	of recreational uses, e
FAWK PO An OTHER Trounding Condition s of interest.) City/county parks Boating accesses	MILITES A AS*: (Mark all that p Playgrounds State parks Fence	BAVI BAVI Dromote of MD	DAJED OUL or impede recreational u C conservation lands onal forests	FEMILLIA ACPEVAN (CAPLON ← CON), ses. Attach photos of evide Urban areas Nature trails	of recreational uses, e
BANK PO An OHEA Prounding Condition as of interest.) City/county parks Boating accesses No trespass sign	MILITES A AS*: (Mark all that p Playgrounds State parks Fence	BAVI BAVI Dromote of MDo	DAJED OUL or impede recreational u C conservation lands onal forests	FEMILLIA ACPEVAN (CAPLON ← CON), ses. Attach photos of evide Urban areas Nature trails	nce or unusual Campgrounds Stairs/walkway
BANK BO Trounding Condition s of interest.) City/county parks Boating accesses No trespass sign dence of Human Us	MILLINGS A ASTRUCTUS A AS*: (Mark all that p Playgrounds Playgrounds Fence	BAVI BAVI BY BY BY BY BY BY BY BY BY B	DAFED ON LOOP impede recreational units conservation lands consolidates proper solutions and the solutions are solved to the solutions and the solutions are solved to the	FERENCE ACTION (CONTON + (ON)), ses. Attach photos of evide Urban areas Nature trails Other:	of recreational uses, e

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

September 29, 2004

Man Hetre 3-17-05

M

Page Two – Data Sheet B for WBID # 103:

Upstrea	orpholog m View	y: Physical Dii	nensions: ,	(,,,,,35,	.35,,21.	2	
□ Riffl	e Width	(ft):	Length (ft):	Avg. D	epth (ft):	Max. Depth (ft):	
☐ Run	Width	(ft): 10pm	Muliength (ft):	Avg. D	epth (ft):	Max. Depth (ft):	
IZ Pool	Width	(ft): [0 M	Length (ft):	20m Avg. De	epth (ft): 1), 2	Max. Depth (ft):	0.35m
D Flow	Present	? K Yes	□ No			4-Too Slaw	
Downst	ream Vie	ew Physical	Dimensions:	1.46	3. 3	·	
□ Riffl			Length (ft):		epth (ft):	Max. Depth (ft):	
□ Run	Width	(ft):	Length (ft):	Avg. De	epth (ft):	Max. Depth (ft):	*
Pool	Width	(ft): 2m	Length (ft):	20m Avg. De	epth (ft): (), 34	Max. Depth (ft):	0.7h
Flow	Present	? X Yes	□ No	Estimat	ed (ft³/sec): NA	-Taslav = 0.0	IM[S
ubstrate'	*: (These % Cobble		dd up to 100%.)	40 % Sand	% Silt	65 % Mud/Clay	% Bedrock
<u> </u>	70 COOCIE	1	<u>Otavor</u>	- N Ourid	70 SHL]	40 % Middle Clay	70 Deurock
Aquatic V	egetation	*: (note amou	nt of vegetation	or algal growth at the	assessment site)		
	Vine						
Vater Ch	aracteris	tics*: (Mark a	all that apply.)				
Odor:		☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
				☐ Chemical Gray	None Dilky	☐ Other:	
Odor: Color:	Deposit:	☐ Sewage	☐ Musky	∇	☐ Milky		
Odor: Color: Bottom		□ Sewage □ Clear	☐ Musky	Gray	☐ Milky	☐ Other:	
Odor: Color: Bottom Surface Comments This informomprehensi	Deposit: Deposit: s: Please ation is not ve understa	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach addition to be used solending of water	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal commental commental conditions. Conditions.	Fine sedime Foam ts (including inform of a recreational use densequently, this inform	☐ Milky nts ☐ None ☐ None mation from ir esignation but rate mation is not inter	□ Other:	
Odor: Color: Bottom Surface Comments This inform omprehensive cision on the	Deposit: Deposit: s: Please ation is not ve understa he recreation	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach addition to be used sole anding of water on use analysis	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal commentely for removal a conditions. Conduct may point to the best	Fine sedime Foam ts (including inform of a recreational use densequently, this inform of conditions that need	☐ Milky nts ☐ None ☐ None mation from inesignation but rate nation is not intenfurther analysis of	Other: Other: Other: terviews) to this form	·
Odor: Color: Bottom Surface Comments This inform omprehensive cision on the	Deposit: Deposit: s: Please sation is not ve understate recreation ersigned, is true ar	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach addition to be used solending of water on use analysis hereby affile	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal commentely for removal a conditions. Conduct may point to the best	Fine sedime Foam ts (including inform of a recreational use desequently, this inform of conditions that need at of my knowledge	☐ Milky nts ☐ None ☐ None mation from inesignation but rate nation is not intenfurther analysis of the control of the cont	Other: Other: Other: Other: terviews) to this form ther is to provide a more ided to directly influence a rethat effect another use.	·
Odor: Color: Bottom Surface Comments This inform omprehensivecision on the understanding the understan	Deposit: Deposit: s: Please sation is not ve understate recreation is true are signed, is true are son:	Sewage Clear Sludge Oil attach addition to be used sole and gof water on use analysis hereby affind accurate.	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal commentely for removal a conditions. Conductions conditions to the best conditions to the best conditions.	Fine sedime Foam ts (including inform of a recreational use densequently, this inform of conditions that need at of my knowledge Dat Pos	Milky nts None None None mation from ir resignation but rate nation is not intent further analysis o ge, that all infer e: 3/17/2 ition: 52/2	Other: Other: Other: Other: terviews) to this form ther is to provide a more ided to directly influence a rethat effect another use.	·
Odor: Color: Bottom Surface Comments This inform omprehensivecision on the understands at a sheet Signed:	Deposit: Deposit: s: Please sation is not ve understate recreation is true are signed, is true are son:	Sewage Clear Sludge Oil attach addition to be used sole and gof water on use analysis hereby affind accurate.	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal commentely for removal a conditions. Conductions conditions to the best conditions to the best conditions.	Fine sedime Foam ts (including inform of a recreational use desequently, this inform of conditions that need at of my knowledge	Milky nts None None None mation from ir resignation but rate nation is not intent further analysis o ge, that all infer e: 3/17/2 ition: 52/2	Other: Other: Other: Other: terviews) to this form ther is to provide a more ided to directly influence a rethat effect another use.	·









Data Sheet B - Site Characterization

la	No.	****	Site I contin	- D			
Missouri WBID #: (02)			- @ 1000	Site Location Description:			
Site GPS Coordinates: 40.00906/-09457549				CORRECT WIRE NO PESSOT DO CONTED			
Date & Time: 3-17-05/10: 20am			Facility Nar		UNEW STAR WW 6	AGOON	
Personnel: AVK AWK			Permit Num	ber:			
Current Weather Conditi		Dr. 405	Weather Co	ndition	ns for Past 7 days:		
Photo Ids: Upstream: /Z	Unlugac Dow	vnstream	:119721653C (Other:	118 on 1652 = SNEWLY	D CARCHOXI	
es Observed*:					1652C		
☐ Swimming ☐ Skin diving			☐ SCUBA diving		☐ Tubing	☐ Water skiing	
☐ Wind surfing] Wind surfing ☐ Kayaking		☐ Boating		☐ Wading	☐ Rafting	
Hunting AR	Hunting AR Trapping		Fishing AZ		☐ None of the above occumentation of evidence	☐ Other:	
TRAPPICUS =	APLIK of S.	KINK	ED CARCAJE	l. m	iaj under Bri	PGE	
rrounding Condition	18*: (Mark all that p	promote (or impede recreation	nal use	es. Attach photos of evider	nce or unusual	
rrounding Condition ns of interest.) City/county parks	is*: (Mark all that p ☐ Playgrounds	promote o	or impede recreation	nal use	es. Attach photos of evider Urban areas	nce or unusual	
rrounding Condition as of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks	promote o	or impede recreation OC conservation land tional forests	nal use	es. Attach photos of evider Urban areas Nature trails	nce or unusual	
rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign idence of Human Us	ns*: (Mark all that p ☐ Playgrounds ☐ State parks ☐ Fence	D MD Nati	or impede recreation OC conservation land tional forests ep slopes	nal use	es. Attach photos of evider Urban areas Nature trails Other:	□ Campgrounds	
rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign idence of Human Us Roads	ns*: (Mark all that p □ Playgrounds □ State parks □ Fence e*: □ Foot paths/prin	promote of MD Nati	or impede recreation OC conservation land tional forests p slopes Dock/platform	nal use	es. Attach photos of evider ☐ Urban areas ☐ Nature trails ☐ Other: ☐ Livestock Watering	□ Campgrounds □ Stairs/walkway	
rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign idence of Human Us	State parks ☐ Fence Foot paths/prin ☐ Camping Sites	promote of MD Nati	or impede recreation OC conservation land tional forests ep slopes	nal use	es. Attach photos of evider Urban areas Nature trails Other:	nce or unusual	

September 29, 2004

PR

Page Two - Data Sheet B for WBID # Stream Morphology: **Upstream View Physical Dimensions:** ☐ Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Run Length (ft): 20m Width (ft): Avg. Depth (ft): Pool Max. Depth (ft): Estimated (ft³/sec): D Flow □ No Present? ĭZ-Yes Downstream View Physical Dimensions: Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): ☐ Riffle Max. Depth (ft): 1,3m Run Width (ft): Length (ft): Avg. Depth (ft): Width (ft): Length (ft): Avg. Depth (ft): □ Pool Max. Depth (ft): Estimated (ft³/sec) **KFlow** Present? X Yes □ No Substrate*: (These values should add up to 100%.) 分 % Cobble % Gravel % Sand % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site) Some grun algae Water Characteristics*: (Mark all that apply.) Odor: X None ☐ Chemical ☐ Sewage ☐ Musky ☐ Other: Color: ☐ Green Gray ☐ Clear ☐ Milky ☐ Other: **Bottom Deposit:** ☐ Sludge □ Solids Fine sediments □ None ☐ Other: Surface Deposit: ☐ Scum □ Oil 🏿 Foam □ None ☐ Other: Comments: Please attach additional comments (including information from interviews) to this form. *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Signed: Organization: Jani Bothi







Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 105				Site Location Description:				
Site GPS Coordinates: L	6.05375/-094	.56980	- Rezous a	R DRIDGE WERE 48 CREPES, W OF WELL CETY				
	Date & Time: 3-17-05/			UNEONSTRE WILL	KKEN			
				Permit Number:				
Current Weather Condition	ions: July : W	Susy	Weather Condition	ons for Past 7 days:				
Photo Ids: Upstream: 12			2201/656C Other	: 124 or 1698C : HUGS 140	upgreem will.			
ses Observed*:				123 CK 16575 ALGAE				
☐ Swimming			CUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking		Boating	☑ Wading	☐ Rafting			
Hunting AR	Hunting AR M-Trapping AR		ishing 🕢	☐ None of the above	☐ Other:			
Describe: (include numb	er of individuals rec	reating, free	quency of use, photo-	documentation of evidence CEATLEW.	of recreational uses, etc			
ALGAE OU IL	wg; LAnoa	WER O	WURD FARM ON	N SLOE OF 48.				
urrounding Condition	ns*: (Mark all that p	promote or i	impede recreational u	N SLOE OF 48.				
ms of interest.)	ns*: (Mark all that p	oromote or	impede recreational unconservation lands	ses. Attach photos of evider Urban areas	nce or unusual Campgrounds			
urrounding Condition ons of interest.) □ City/county parks □ Boating accesses	ns*: (Mark all that p	DOME OF STREET	impede recreational un conservation lands	Ses. Attach photos of evider Urban areas Nature trails				
urrounding Condition oms of interest.) □ City/county parks	ns*: (Mark all that p	oromote or	impede recreational un conservation lands	ses. Attach photos of evider Urban areas	☐ Campgrounds			
urrounding Conditioners of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p □ Playgrounds □ State parks Fence	DOME OF STREET	impede recreational un conservation lands	Ses. Attach photos of evider Urban areas Nature trails	☐ Campgrounds			
urrounding Condition cms of interest.) □ City/county parks □ Boating accesses □ No trespass sign	ns*: (Mark all that p □ Playgrounds □ State parks Fence	☐ MDC☐ Nation	impede recreational un conservation lands	Ses. Attach photos of evider Urban areas Nature trails	☐ Campgrounds			
urrounding Condition oms of interest.) City/county parks Boating accesses No trespass sign	Playgrounds Playgrounds State parks Fence	MDC Nation Steep s	impede recreational unconservation lands nal forests	Urban areas Nature trails Other:	☐ Campgrounds ☐ Stairs/walkway			
urrounding Condition cms of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign vidence of Human Us ☐ Roads	Playgrounds Playgrounds State parks Fence Foot paths/prir	MDC Nation Steep s	conservation lands hal forests slopes Dock/platform Fire pit/ring	Urban areas Nature trails Other:	☐ Campgrounds ☐ Stairs/walkway ☐ RV / ATV Tracks			
urrounding Condition oms of interest.) □ City/county parks □ Boating accesses □ No trespass sign vidence of Human Use □ Rope swings □ Rope swings □ Other: □ City/county parks □ Boating accesses □ No trespass sign	Playgrounds Playgrounds State parks Fence Se*: Camping Sites Attach a map of of interest. (Include	MDC Nation Steep s This continues the second secon	conservation lands al forests slopes Dock/platform Fire pit/ring West gment with assessingraphs)	Urban areas Nature trails Other: Livestock Watering NPDES Discharge	☐ Campgrounds ☐ Stairs/walkway ☐ RV / ATV Tracks ☐ Fishing Tackle ed. Mark any			
wrounding Condition oms of interest.) City/county parks Boating accesses No trespass sign vidence of Human Us Roads Rope swings Cite Locations Map(s): ther items that may be Come of this information is any point to conditions that	Playgrounds Playgrounds State parks Fence Se*: Camping Sites Attach a map of of interest. (Included to direct meed further analysis	MDC Nation Steep s A Steep s entire segude photo ctly influence for that effe	conservation lands conservation lands all forests slopes Dock/platform Fire pit/ring ment with assessing graphs) ce a decision on any occurrence of the conservation lands conservati	Urban areas Urban areas Nature trails Other: Livestock Watering NPDES Discharge	☐ Campgrounds ☐ Stairs/walkway ☐ RV / ATV Tracks ☐ Fishing Tackle ed. Mark any			
wrounding Condition oms of interest.) City/county parks Boating accesses No trespass sign vidence of Human Us Roads Rope swings Cite Locations Map(s): ther items that may be Come of this information is any point to conditions that	Playgrounds Playgrounds State parks Fence Se*: Camping Sites Attach a map of of interest. (Included to direct meed further analysis	MDC Nation Steep s A Steep s entire segude photo ctly influence for that effe	conservation lands conservation lands al forests slopes Dock/platform Fire pit/ring gment with assessingraphs) ce a decision on any o	Urban areas Urban areas Nature trails Other: Livestock Watering NPDES Discharge	☐ Campgrounds ☐ Stairs/walkway ☐ RV / ATV Tracks ☐ Fishing Tackle ed. Mark any			

Page Two - Data Sheet B for WBID #_106

Stream Morph Upstream V	ology: iew Physical Di	imensions:	.2.2.2.2		•	
	idth (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
□ Run W	idth (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Pool W	idth (ft): 1m	Length (ft): 2	Oh Avg. Depth	(ft): 0, 18 h	Max. Depth (ft):	0.3m
Flow Pr	esent? Yes	□ No	Estimated (1		slaw (measure	<u> </u>
Downstream	View Physical	Dimensions: .	1.2.19.05	. 03	lm 55,45	, 1s
☐ Riffle W	idth (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run W	idth (ft): 2,5v	Length (ft):	Lom Avg. Depth	(ft): 0. 1 m	Max. Depth (ft):	0.2m
□ Pool W	idth (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	
Flow Pr	esent? Yes	□ No	Estimated (f	istec) fml	0.19 m/s	
(00 % C		% Gravel	% Sand algal growth at the asse	% Silt 4(% Mud/Clay	% Bedrock
Water Charact	eristics*: (Mark	all that apply.)				
Odor:	☐ Sewage	□ Musky	☐ Chemical	None	☐ Other:	
Color:	☐ Clear	☐ Green	Gray	Milky	Other:	
Bottom Depos	it: 🗆 Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	
Surface Depos	iit: 🛮 Oil	☐ Scum	Foam	□ None	☐ Other:	·
"This information is comprehensive und decision on the rect." I, the undersign	is not to be used so derstanding of wate reation use analysi ned, hereby aff	olely for removal of a er conditions. Conse s but may point to co	(including information recreational use design quently, this information of the conditions that need furth of my knowledge, to	nation but rather on is not intended her analysis or th	is to provide a more a to directly influence a at effect another use.	ı
datasheet is tru Signed: Mo	e and accurate	e.	Date:	2/17/) 1>5	
· ·	Tinne					**************************************
Organization:	15 134	<u> </u>	Positio	n: <u> Cl. [</u>		
A	1mm	1 Mul	_ 1	3-17-	. T-	

September 29, 2004





